

CURRICULUM VITAE

ELIAS OTIENO OBUDHO

A. PERSONAL INFORMATION

FULL NAME	:	ELIAS OTIENO OBUDHO
Home Address	:	Office Address:
P.O. Box 25957, Nairobi	:	Department of Plant Science & Crop Protection, Faculty
Email: eobudho@uonbi.ac.ke &	:	of Agriculture, University of Nairobi
eliasobudho@yahoo.co.uk	:	P. O. Box 29053, 00625, Nairobi, KENYA.
DATE OF BIRTH	:	23 October, 1962
SEX	:	Male
MARITAL STATUS	:	Married with two children
NATIONALITY	:	Kenyan
PROFESSIONAL FIELD	:	Statistician / Biometrician
CURRENT POSITION	:	Lecturer.

B. EDUCATION

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|----------------------------|-------------|---|--|
| 1. 1977 – 1982 | Certificate | : | <i>Maseno National School</i> |
| | | : | Kenya Certificate of Education (K.C.E.) 1980
a pass of division one |
| 2. 1981 – 1982 | Certificate | : | <i>Maseno National School</i> |
| | | : | Kenya Advanced Certificate of Education (K.A.C.E.)
1982. |
| | | : | A pass of 3 principals and 2 subsidiaries. |
| 3. 1984 – 1987 | Degree | : | <i>University of Nairobi, Kenya</i> |
| | | : | B.Sc. Degree, Second Class Honours (Upper Division) in |
| | | : | Mathematical Statistics. |
| 4. 1987 – 1989 | Degree | : | <i>University of Nairobi</i> |
| | | : | M.Sc. degree in Mathematical Statistics |
| Thesis | | : | <i>Weibull Distribution and its Application on Wind Speed
Data.</i> |
| 5. January – December 1997 | | : | Wye College, University of London |
| | Certificate | : | External program course in Research Methods for
Agronomists, obtained a distinction of 84%. |

C. SKILLS

- Strong conceptual and analytic abilities.
- Computer fluency in word processing, spreadsheet and GenStat, SPSS and STATA statistical applications. Diva-GIS Software.
- Skills in gender analysis and participatory research methods.
- Excellent written and spoken English.
- Excellent communication and presentation skills.
- Ability to work well both in team environment as well as in isolation and unsupervised.

D. PUBLICATIONS & CONFERENCE PRESENTATIONS

- Kasina J., Nderitu J., Nyamasyo, G., Olubayo, F., Waturu C., **Obudho E.** and Yobera D. (2006). Evaluation of companion crops for thrips (Thysanoptera: Thripidae) management on French bean *Phaseolus vulgaris* (Fabaceae). International Journal of Tropical Insect Science Vol. 26, No. 2, pp. 121–125, 2006
- Kasina J., Nderitu, J., Nyamasyo, G., Olubayo, F., Waturu, C. **Obudho, E.**, and Yobera, D. (2006). Diurnal population trends of *Megalurothrips sjostedti* and *Frankliella occidentalis* (Thysanoptera: Thripidae) and their natural enemies on French bean *Phaseolus vulgaris* (Fabaceae). International Journal of Tropical Insect Science Vol. 26, No. 1, pp. 2-7, 2006.
- **Obudho E.**, Chemining'wa G., Weke P., Bett C., Kiarie J. (2005). Into the realm of participatory research: Women and men choosing their preferred varieties. Presented at the ninth Biannual SUSAN Biometrics Conference, Addis Ababa, Ethiopia.
- Kouodiekong L., Owino J., Coe R., **Obudho E.**, Nguti R., and Tchoundjeu Z. (2005). Model based approach for assessing the rooting ability of *Irvingia gabonensis*’ cuttings under two levels of Indol acetic acid (IAA). Presented at the ninth Biannual SUSAN Biometrics Conference, Addis Ababa, Ethiopia.
- Wim Buysse, Roger Stern, Ric Coe, Brigid McDermott, Samuel Muchiri, Maurice Okello, Parin Kurji, **Elias Obudho** and Peter Mong'are, 2005. GenStat 8th Edition for everyday use. ICRAF Nairobi, Kenya. 114 pp.
- Kahora F., Mathur P., Grum M., Atieno F., Akundabweni L and **Obudho E.** (2005). Modeling the distribution of mosquito/larvae repellent plant species in Kenya for conservation purpose. Presented at the ninth Biannual SUSAN Biometrics Conference, Addis Ababa, Ethiopia.
- Njeru R. W., Gibson R. W, Munga T. L and **Obudho E.** (2003). Participatory approach for dissemination of control measures of viruses infecting sweet potato in Coastal Kenya. Oral presentation. The 13th Triennial Symposium of the International Society for Tropical Root Crops (ISTRC). 9 – 15 November, 2003, Arusha, Tanzania
- **Obudho, E.** O, Yobera D., Kurji, P, Mon'gare, P. (2003): Supporting Research: Role of Biometricians. Presented at the eighth Biannual SUSAN Biometrics Conference, University of Natal at Pietermaritzburg, South Africa.
- Kahora, F., **Obudho, E.**, and Yobera, D. (2003): Statistical Assessment of Health and Sustainability Indicators of an Agro-ecosystem. Presented at the eighth Biannual SUSAN Biometrics Conference, University of Natal at Pietermaritzburg, South Africa.
- Njeru R. W., Mburu M. W., Cheramgoi E, Gibson R. W, Kiburi Z. M, **Obudho, E.** and Yobera D. (2000). Studies on the physiological effects of viruses on sweet potato yield in Kenya. Annals of Applied Biology.

- Yobera D. & **Obudho E.** (2002). Current situation of participatory on-farm research in the public institutions of Agriculture in Kenya. Presented at the seventh Biannual SUSAN Biometrics Conference, Makerere University, Uganda.
- Mburu, M. W. F; Gachene, C. K.K; Mureithi, J. G; Kiriiri, F. K. and **Obudho, E.** (2002). Effects of Legume Cover Crop Planting Density and Time in Maize Inter-crop on Water, Nitrogen and Light Use in Sub-Humid Conditions. In Press.
- Kasina, J; Nyamasyo, G; Nderitu, J; Waturu, C; Olubayo, F; **Obudho, E;** and Yobera, D. (2002). Companion Cropping As Management of Flower Thrips (Thysanoptera: Thripidae) in French Beans (*Phaseolus Vulgaris* L.) in Wesonga et al. (2002). Proceedings of the Second Horticulture Seminar on Sustainable Horticultural Production in the Tropics, August 6th – 9th 2002. Jomo Kenyatta University of Agriculture and Technology, JKUAT, Juja, Kenya.
- **Obudho, E.,** Grum, M. and Atieno, F. (2004): Statistical Applications in Eco-Geographic Studies – Diva GIS. Presented at the Current Trends and Recent Advances in Applied Biometry Conference, International Livestock Research Institute (ILRI), Nairobi, Kenya, August 30 – September 3, 2004.

E. MSc. STUDENTS RESEARCH SUPERVISION

- Felistas Kahora, (MSc. Biometrics Thesis, University of Nairobi, 2001-2): *Statistical Assessment of Health and Sustainability Indicators of an Agro-ecosystem.*
- Wepukhulu Simon Buyayi (MSc. Biometrics, University of Nairobi, 2002-3): *Statistical Assessment of Planting Materials of Banana Varieties in Kenya: Application of On-farm Trial.*
- Kouodiekong Lazare, (MSc. Biometrics Thesis, University of Nairobi, 2002-3): *Modeling Binary Response of Irvingia gabonensis' cuttings to a rooting hormone - Indol acetic acid (IAA).*
- Marion Njeri Karuri Gathumbi (MSc. Agronomy Thesis, University of Nairobi, 2006-8) *The Effect of Fertilizers and Mulberry (Morus alba L.) Variety on Cocoon and Silk Quality in Kenya.*
- Isaiah.K.Kanithi (MSc. Biometrics Thesis, University of Nairobi, 2008-9): *Characteristics of Wet and Dry Spells in Kenya From a Markov Chain Model Point of View.*

F. EMPLOYMENT AND CONSULTANCY

- **October. 1983 – April 1984.** Teacher at Ojolla Secondary School
- **October 1989 – December** Assistant lecturer in the Department, University of Nairobi.

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- **January 1998 to-date** Lecturer in the Biometry Unit, Crop Science Department, University of Nairobi.

Current job responsibilities: Teaching, research, research supervision and consultancy.

a) Teaching 1989 to present

Courses assigned so far

First year Mathematics;
Second year Statistics I;
Third year Statistics II;
Fourth year Field and laboratory Experimentation;
Statistics & Computer Use for M.Sc Applied Nutrition Program;
Biometry & Computer Applications for M.Sc. Agric.
Design of Research for M.Sc Biometrics and MSc Industrial Statistics

- b) Administration: Supervision of the Faculty of Agriculture Computer laboratory. (1997-99, 2007 todate)
- c) Other responsibilities: Consulting with graduate students and other researchers on biometrical issues.
Approving and advising on experimental designs before field experimentation.
A member of Faculty Board of Examiners.
- d) Income Generation: Member of the **Biometrics Unit Consultancy (BUCS)** of the University of Nairobi.
BUCS is an outreach, consultancy services and income generation unit. Promotes good statistical practice in all fields of application, using the best development in statistical methodology, technology and pedagogy has to offer.
- **April – December 2006** Statistical Consultant to Poverty Reduction and Sustainable Livelihood Programme (PRSL), UNDP-Somalia.

G. MEMBERSHIP IN SCIENTIFIC ORGANIZATIONS

1. A member of the International Biometry Society.
2. A member of the International Biometry Society, Sub-Saharan Network (SUSAN), Group Kenya.
3. A member of the Learning & Training for Transformation Participation Group, IDS, University of Sussex, UK.

H. ORGANIZATION OF TRAINING WORKSHOPS

- 28th August – 2nd Sept. 2004** Resource Person for Statistics training *Building Capacity in Nematology in East And Southern Africa* for Nematologists.
- 23rd June – 9th July 2004** Resource Person for training *Statistical Analysis & Stata Course* for the Central Bureau for Statistics, Kenya, by the BUCS & Statistical Services Centre (SSC), University of Reading.
- 22nd Sept. – 4th October 2003** Resource Person for training *Statistical Concepts Course (2)* for the Central Bureau for Statistics, Kenya, by the BUCS & SSC, University of Reading.
- 24th Feb. – 8th March 2003** Resource Person for training *Statistical Concepts Course (1)* for the Central Bureau for Statistics, Kenya, by the BUCS & SSC, University of Reading.
- 20th February 2002** Organized a one-day college workshop on *Participatory on-farm Research* at the Faculty of Agriculture, College of Agriculture & Veterinary Sciences, University of Nairobi.

I. TRAINING WORKSHOPS ATTENDED:

- 3rd – 11th December 2007** RUFORUM/CTA *Proposal, Technical and Scientific Writing Skill Enhancement* Training for Academic Staff of Universities in East, Central and Southern Africa, Mukono , Uganda

13th – 23rd November 2006	<i>RUFORUM CTA Research Methodology Training Workshop and Planning Meeting of Regional Masters Program In Research Methodology</i> , Kampala, Uganda.
14th – 16th August 2006	<i>Bioinformatics 2006 Certificate Course</i> , International Livestock Research Institute (ILRI), Nairobi, Kenya.
28th August – 3rd Sept. 2005	Certificate in <i>Participatory-GIS and Participatory Mapping in Resource Management and Conflict Mitigation</i> International Conference on Participatory Spatial Information Management and Communication, PGIS '05 – KCCT, Nairobi.
22nd – 27th May 2005	<i>Project Proposal Design & Writing Workshop</i> , Cotonou, Benin. Organized by Generation Challenge Program & The International Plant Genetic Resources Institute (IPGRI).
2nd – 6th August 2004	<i>Modern Methods For Ecogeographic Studies</i> by International Plant Genetic Resources Institute (IPGRI) at African Virtual University of Kenyatta University, Nairobi, Kenya.
15th – 16th September 2003	<i>Train the Trainer Workshop + Exploring GenStat Statistical software</i> by VSN International & BUCS, University of Nairobi.
4th – 6th July 2003	<i>Enhanced Sampling and Analysis of Messy Data for Biometricians</i> 8 th Sub-Saharan Biometrics Conference, University of Natal at Pietermaritzburg, South Africa.
30th June – 2nd July 2003	<i>Data Management: Working Effectively with Data</i> : Certificate Course. By ICRAF at the University of Nairobi
2nd November 2002	National Training workshop on <i>Consulting Skills for Biometricians</i> by BUCS of University of Nairobi, SSC of University of Reading & ICRAF.
27th June – 2nd July 1999	International workshop on “ <i>Statistical Methods for Studying Animal Populations: Modelling for Survival and Abundance Estimation</i> ,” at Chiromo Campus, University of Nairobi, Kenya.
6th – 17th May 1996	Training course in “ <i>Experimental Design and Analysis for Agroforestry Research</i> ” with the International Council for Research in Agroforestry (ICRAF), Gigiri, Kenya.

J. PARTICIPATION IN WORKSHOPS / SEMINARS / SYMPOSIA/

CONGRESS:

7th – 8th May 2007	<i>Research Methods RHAPSODES regional planning meeting</i> , ICRAF, Nairobi, Kenya
23rd February 2007	<i>Teaching Biometrics and Research Methods - The Latest Resources Workshop</i> , ILRI, Nairobi, Kenya
28th – 10th September 2005	<i>International Conference on Participatory Spatial Information Management and Communication</i> , PGIS '05 – KCCT, Nairobi.
31st May 2005	<i>Teaching Research Methods Resources Workshop</i> , World Agroforestry Centre (ICRAF), Nairobi, Kenya.
12th – 16th December 2005	<i>Linking Agriculture, Health, Nutrition and Environment through Biometry: towards prosperity and good health</i> . 9 th Sub-Saharan (SUSAN) Biometrics Conference, Addis Ababa, Ethiopia.

25th – 27th April 2005.	<i>Learning and Teaching for Transformation (LTT) Workshop, Organized by Institute of Development Studies, Dunford House Conference and Training Centre, United Kingdom.</i>
30th August – 3rd Sept. 2004	<i>Current Trends And Recent Advances In Applied Biometry, International Livestock Research Institute (ILRI), Nairobi, Kenya.</i>
7th – 11th July 2003	<i>Biometry in Poverty Alleviation. 8th Sub-Saharan (SUSAN) Biometrics Conference, University of Natal at Pietermaritzburg, South Africa.</i>
2nd – 8th December 2001	<i>Biometry in Life Sciences. 7th Sub-Saharan (SUSAN) Biometrics Conference, Makerere University, Uganda.</i>
12th – 13th August 1998	<i>Workshop on Modelling in Agroforestry at ICRAF, Nairobi, Kenya.</i>
25th – 29th August 1997	<i>International workshop on “Research methods and data analysis for Agronomy” at Makerere University, Kampala in Uganda</i>

K. REFEREES

DR. PATRICK WEKE,
Mathematics Department,
University of Nairobi,
P. O. Box 30197, Nairobi, Kenya.

PROF. AGNES MWANG’OMBE,
Principal, College of Agriculture & Veterinary Sciences,
University of Nairobi, P. O. Box 29053, 00625 Nairobi,
Kenya.

PROF JOHN NDERITU,
Dean, Faculty of Agriculture,
University of Nairobi,
P. O. Box 29053, 00625 Nairobi, Kenya.

